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Appendix B.10

LTE Band 26(814-824)



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Transmitter Conducted Power Output

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Limit(dBm)	Verdict
Band26	1.4MHz	QPSK	26697	1RB#0	23.1	50	PASS
Band26	1.4MHz	QPSK	26697	1RB#2	23.18	50	PASS
Band26	1.4MHz	QPSK	26697	1RB#5	23.21	50	PASS
Band26	1.4MHz	QPSK	26697	6RB#0	22.16	50	PASS
Band26	1.4MHz	QPSK	26740	1RB#0	23.36	50	PASS
Band26	1.4MHz	QPSK	26740	1RB#2	23.18	50	PASS
Band26	1.4MHz	QPSK	26740	1RB#5	23.08	50	PASS
Band26	1.4MHz	QPSK	26783	6RB#0	22.18	50	PASS
Band26	1.4MHz	QPSK	26783	1RB#0	23.12	50	PASS
Band26	1.4MHz	QPSK	26783	1RB#2	23.11	50	PASS
Band26	1.4MHz	QPSK	26783	1RB#5	23.14	50	PASS
Band26	1.4MHz	QPSK	26783	6RB#0	22.11	50	PASS
Band26	1.4MHz	16QAM	26697	1RB#0	22.19	50	PASS
Band26	1.4MHz	16QAM	26697	1RB#2	22.31	50	PASS
Band26	1.4MHz	16QAM	26697	1RB#5	22.18	50	PASS
Band26	1.4MHz	16QAM	26697	6RB#0	21.19	50	PASS
Band26	1.4MHz	16QAM	26740	1RB#0	22.21	50	PASS
Band26	1.4MHz	16QAM	26740	1RB#2	22.36	50	PASS
Band26	1.4MHz	16QAM	26740	1RB#5	22.16	50	PASS
Band26	1.4MHz	16QAM	26740	6RB#0	21.12	50	PASS
Band26	1.4MHz	16QAM	26783	1RB#0	22.22	50	PASS
Band26	1.4MHz	16QAM	26783	1RB#2	22.18	50	PASS
Band26	1.4MHz	16QAM	26783	1RB#5	22.12	50	PASS
Band26	1.4MHz	16QAM	26783	6RB#0	21.14	50	PASS
Band26	1.4MHz	64QAM	26697	1RB#0	21.46	50	PASS
Band26	1.4MHz	64QAM	26697	1RB#2	21.28	50	PASS
Band26	1.4MHz	64QAM	26697	1RB#5	21.21	50	PASS
Band26	1.4MHz	64QAM	26697	6RB#0	20.24	50	PASS

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Band26	1.4MHz	64QAM	26740	1RB#0	21.11	50	PASS
Band26	1.4MHz	64QAM	26740	1RB#2	21.3	50	PASS
Band26	1.4MHz	64QAM	26740	1RB#5	21.22	50	PASS
Band26	1.4MHz	64QAM	26740	6RB#0	20.13	50	PASS
Band26	1.4MHz	64QAM	26783	1RB#0	21.07	50	PASS
Band26	1.4MHz	64QAM	26783	1RB#2	21.23	50	PASS
Band26	1.4MHz	64QAM	26783	1RB#5	21.33	50	PASS
Band26	1.4MHz	64QAM	26783	6RB#0	20.15	50	PASS
Band26	1.4MHz	256QAM	26697	1RB#0	18.31	50	PASS
Band26	1.4MHz	256QAM	26697	1RB#2	18.25	50	PASS
Band26	1.4MHz	256QAM	26697	1RB#5	18.18	50	PASS
Band26	1.4MHz	256QAM	26697	6RB#0	18.24	50	PASS
Band26	1.4MHz	256QAM	26740	1RB#0	18.26	50	PASS
Band26	1.4MHz	256QAM	26740	1RB#2	18.35	50	PASS
Band26	1.4MHz	256QAM	26740	1RB#5	18.26	50	PASS
Band26	1.4MHz	256QAM	26740	6RB#0	18.17	50	PASS
Band26	1.4MHz	256QAM	26783	1RB#0	18.14	50	PASS
Band26	1.4MHz	256QAM	26783	1RB#2	18.19	50	PASS
Band26	1.4MHz	256QAM	26783	1RB#5	18.21	50	PASS
Band26	1.4MHz	256QAM	26783	6RB#0	18.15	50	PASS
Band26	3MHz	QPSK	26705	1RB#0	23.25	50	PASS
Band26	3MHz	QPSK	26705	1RB#8	23.12	50	PASS
Band26	3MHz	QPSK	26705	1RB#14	23.11	50	PASS
Band26	3MHz	QPSK	26705	15RB#0	22.17	50	PASS
Band26	3MHz	QPSK	26740	1RB#0	23.25	50	PASS
Band26	3MHz	QPSK	26740	1RB#8	23.2	50	PASS
Band26	3MHz	QPSK	26740	1RB#14	23.02	50	PASS
Band26	3MHz	QPSK	26740	15RB#0	22.2	50	PASS
Band26	3MHz	QPSK	26775	1RB#0	23.24	50	PASS
Band26	3MHz	QPSK	26775	1RB#8	23.24	50	PASS
Band26	3MHz	QPSK	26775	1RB#14	23.15	50	PASS
Band26	3MHz	QPSK	26775	15RB#0	22.14	50	PASS

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Band26	3MHz	16QAM	26705	1RB#8	22.33	50	PASS
Band26	3MHz	16QAM	26705	1RB#14	22.23	50	PASS
Band26	3MHz	16QAM	26705	15RB#0	21.23	50	PASS
Band26	3MHz	16QAM	26740	1RB#0	22.14	50	PASS
Band26	3MHz	16QAM	26740	1RB#8	22.29	50	PASS
Band26	3MHz	16QAM	26740	1RB#14	22.11	50	PASS
Band26	3MHz	16QAM	26740	15RB#0	21.2	50	PASS
Band26	3MHz	16QAM	26775	1RB#0	22.24	50	PASS
Band26	3MHz	16QAM	26775	1RB#8	22.34	50	PASS
Band26	3MHz	16QAM	26775	1RB#14	22.13	50	PASS
Band26	3MHz	16QAM	26775	15RB#0	21.1	50	PASS
Band26	3MHz	64QAM	26705	1RB#0	21.19	50	PASS
Band26	3MHz	64QAM	26705	1RB#8	21.26	50	PASS
Band26	3MHz	64QAM	26705	1RB#14	21.15	50	PASS
Band26	3MHz	64QAM	26705	15RB#0	20.26	50	PASS
Band26	3MHz	64QAM	26740	1RB#0	21.21	50	PASS
Band26	3MHz	64QAM	26740	1RB#8	21.21	50	PASS
Band26	3MHz	64QAM	26740	1RB#14	21.25	50	PASS
Band26	3MHz	64QAM	26740	15RB#0	20.22	50	PASS
Band26	3MHz	64QAM	26775	1RB#0	21.33	50	PASS
Band26	3MHz	64QAM	26775	1RB#8	21.14	50	PASS
Band26	3MHz	64QAM	26775	1RB#14	21.21	50	PASS
Band26	3MHz	64QAM	26775	15RB#0	20.13	50	PASS
Band26	3MHz	256QAM	26705	1RB#0	18.27	50	PASS
Band26	3MHz	256QAM	26705	1RB#8	18.44	50	PASS
Band26	3MHz	256QAM	26705	1RB#14	18.3	50	PASS
Band26	3MHz	256QAM	26705	15RB#0	18.25	50	PASS
Band26	3MHz	256QAM	26740	1RB#0	18.15	50	PASS
Band26	3MHz	256QAM	26740	1RB#8	18.33	50	PASS
Band26	3MHz	256QAM	26740	1RB#14	18.13	50	PASS
Band26	3MHz	256QAM	26740	15RB#0	18.21	50	PASS

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Band26	3MHz	256QAM	26775	1RB#8	18.33	50	PASS
Band26	3MHz	256QAM	26775	1RB#14	18.08	50	PASS
Band26	3MHz	256QAM	26775	15RB#0	18.16	50	PASS
Band26	5MHz	QPSK	26715	1RB#0	23.09	50	PASS
Band26	5MHz	QPSK	26715	1RB#12	23.12	50	PASS
Band26	5MHz	QPSK	26715	1RB#24	23.13	50	PASS
Band26	5MHz	QPSK	26715	25RB#0	22.23	50	PASS
Band26	5MHz	QPSK	26740	1RB#0	23.21	50	PASS
Band26	5MHz	QPSK	26740	1RB#12	23.19	50	PASS
Band26	5MHz	QPSK	26740	1RB#24	23.06	50	PASS
Band26	5MHz	QPSK	26740	25RB#0	22.26	50	PASS
Band26	5MHz	QPSK	26765	1RB#0	23.14	50	PASS
Band26	5MHz	QPSK	26765	1RB#12	23.15	50	PASS
Band26	5MHz	QPSK	26765	1RB#24	23.13	50	PASS
Band26	5MHz	QPSK	26765	25RB#0	22.18	50	PASS
Band26	5MHz	16QAM	26715	1RB#0	22.46	50	PASS
Band26	5MHz	16QAM	26715	1RB#12	22.38	50	PASS
Band26	5MHz	16QAM	26715	1RB#24	22.24	50	PASS
Band26	5MHz	16QAM	26715	25RB#0	21.19	50	PASS
Band26	5MHz	16QAM	26740	1RB#0	22.32	50	PASS
Band26	5MHz	16QAM	26740	1RB#12	22.34	50	PASS
Band26	5MHz	16QAM	26740	1RB#24	22.19	50	PASS
Band26	5MHz	16QAM	26740	25RB#0	21.21	50	PASS
Band26	5MHz	16QAM	26765	1RB#0	22.35	50	PASS
Band26	5MHz	16QAM	26765	1RB#12	22.29	50	PASS
Band26	5MHz	16QAM	26765	1RB#24	22.25	50	PASS
Band26	5MHz	16QAM	26765	25RB#0	21.19	50	PASS
Band26	5MHz	64QAM	26715	1RB#0	21.3	50	PASS
Band26	5MHz	64QAM	26715	1RB#12	21.33	50	PASS
Band26	5MHz	64QAM	26715	1RB#24	21.31	50	PASS
Band26	5MHz	64QAM	26715	25RB#0	20.26	50	PASS

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Band26	5MHz	64QAM	26740	1RB#12	21.35	50	PASS
Band26	5MHz	64QAM	26740	1RB#24	21.26	50	PASS
Band26	5MHz	64QAM	26740	25RB#0	20.23	50	PASS
Band26	5MHz	64QAM	26765	1RB#0	21.17	50	PASS
Band26	5MHz	64QAM	26765	1RB#12	21.35	50	PASS
Band26	5MHz	64QAM	26765	1RB#24	21.23	50	PASS
Band26	5MHz	64QAM	26765	25RB#0	20.18	50	PASS
Band26	5MHz	256QAM	26715	1RB#0	18.25	50	PASS
Band26	5MHz	256QAM	26715	1RB#12	18.38	50	PASS
Band26	5MHz	256QAM	26715	1RB#24	18.29	50	PASS
Band26	5MHz	256QAM	26715	25RB#0	18.24	50	PASS
Band26	5MHz	256QAM	26740	1RB#0	18.3	50	PASS
Band26	5MHz	256QAM	26740	1RB#12	18.27	50	PASS
Band26	5MHz	256QAM	26740	1RB#24	18.23	50	PASS
Band26	5MHz	256QAM	26740	25RB#0	18.26	50	PASS
Band26	5MHz	256QAM	26765	1RB#0	18.12	50	PASS
Band26	5MHz	256QAM	26765	1RB#12	18.26	50	PASS
Band26	5MHz	256QAM	26765	1RB#24	18.27	50	PASS
Band26	5MHz	256QAM	26765	25RB#0	18.2	50	PASS
Band26	10MHz	QPSK	26740	1RB#0	23.19	50	PASS
Band26	10MHz	QPSK	26740	1RB#24	23.2	50	PASS
Band26	10MHz	QPSK	26740	1RB#49	23.01	50	PASS
Band26	10MHz	QPSK	26740	50RB#0	22.2	50	PASS
Band26	10MHz	16QAM	26740	1RB#0	22.35	50	PASS
Band26	10MHz	16QAM	26740	1RB#24	22.34	50	PASS
Band26	10MHz	16QAM	26740	1RB#49	22.13	50	PASS
Band26	10MHz	16QAM	26740	50RB#0	21.27	50	PASS
Band26	10MHz	64QAM	26740	1RB#0	21.38	50	PASS
Band26	10MHz	64QAM	26740	1RB#24	21.23	50	PASS
Band26	10MHz	64QAM	26740	1RB#49	21.19	50	PASS
Band26	10MHz	64QAM	26740	50RB#0	20.2	50	PASS

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Band26	10MHz	256QAM	26740	1RB#0	18.14	50	PASS
Band26	10MHz	256QAM	26740	1RB#24	18.29	50	PASS
Band26	10MHz	256QAM	26740	1RB#49	18.14	50	PASS
Band26	10MHz	256QAM	26740	50RB#0	18.26	50	PASS



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Field Strength of Spurious Radiation

Test Band = LTE Band26_ TM1

Test Channel = Mid

Final Data List										
NO.	Frequency [MHz]	Reading [dB μ V]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1629.1429	72.77	-48.25	25.36	-45.37	-13.00	32.37	211	55	Horizontal
2	2444	64.68	-47.37	27.59	-50.37	-13.00	37.37	145	255	Horizontal
3	3258.8571	57.26	-46.52	29.61	-54.91	-13.00	41.91	126	268	Horizontal
4	4073.1429	57.88	-45.98	30.91	-52.45	-13.00	39.45	188	175	Horizontal
5	4887.4286	52.91	-45.59	32.56	-55.37	-13.00	42.37	196	334	Horizontal
6	5702.2857	50.46	-44.57	33.39	-55.98	-13.00	42.98	142	17	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dB μ V]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1629.1429	69.64	-48.25	25.36	-48.50	-13.00	35.50	256	250	Vertical
2	2444	69.32	-47.37	27.59	-45.73	-13.00	32.73	142	304	Vertical
3	3258.2857	66.47	-46.52	29.61	-45.70	-13.00	32.70	132	224	Vertical
4	4073.1429	67.23	-45.98	30.91	-43.10	-13.00	30.10	188	183	Vertical
5	4887.4286	69.56	-45.59	32.56	-38.72	-13.00	25.72	145	238	Vertical
6	5702.2857	63.61	-44.57	33.39	-42.83	-13.00	29.83	199	264	Vertical

Remark:

1) The field strength is calculated by adding the Antenna Factor, Cable Factor & AMP. The basic equation with a sample calculation is as follows:

AF = Antenna Factor(dB/m)

Factor = Cable Factor(dB) - Preamplifier (dB)

Level = Reading Level + AF + Factor -95.26

Margin = Limit – Level

---End of Attachment---



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